

FIG. 1

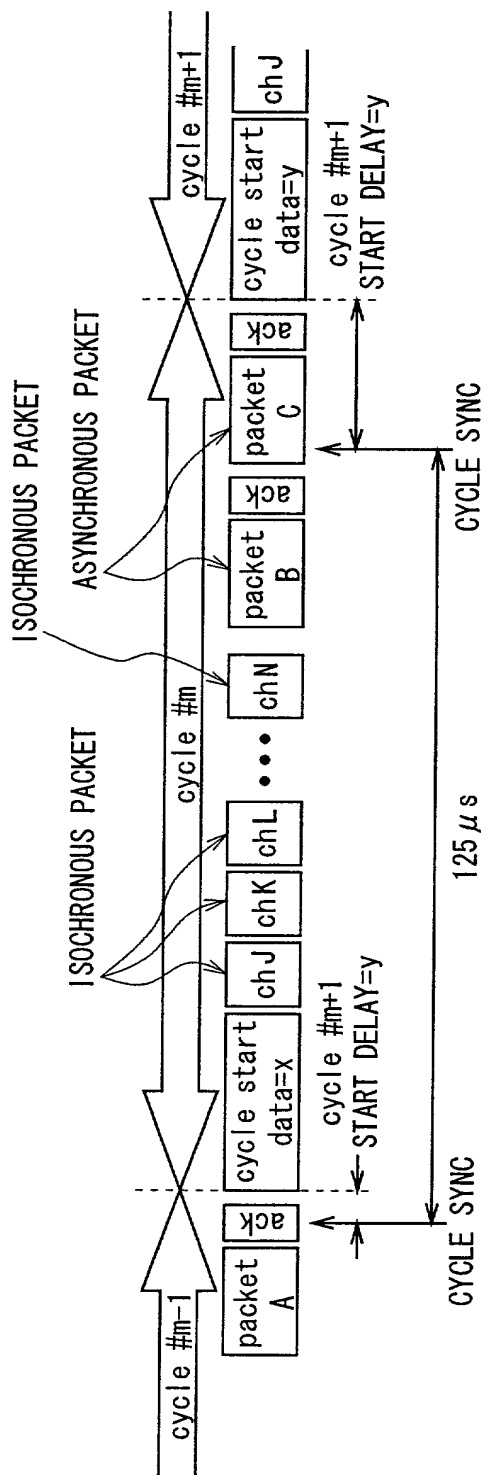


FIG. 2

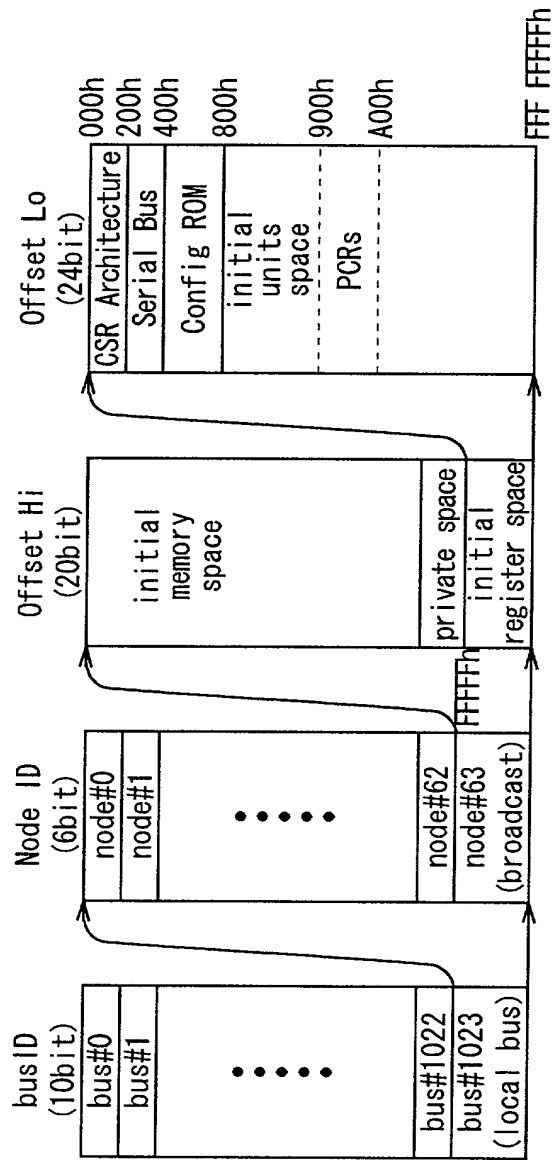


FIG. 3

OFFSET	NAME	OPERATION
000h	STATE_CLEAR	CONDITION AND CONTROL INFORMATION
004h	STATE_SET	SET STATE-CLEAR BIT
008h	NODE_IDS	SHOW 16-BIT NODE ID
00Ch	RESET_START	START COMMAND RESET
018h-01Ch	SPLIT_TIMEOUT	MEASURE THE MAXIMUM TIME OF SPLIT
200h	CYCLE_TIME	CYCLE TIME
210h	BUSY_TIMEOUT	DEFINE RETRY CONTROL
21Ch	BUS_MANAGER	SHOW ID OF BUS MANAGER
220h	BANDWIDTH_AVAILABLE	SHOW BANDWIDTH AVAILABLE TO ISOCRONOUS COMMUNICATIONS
224h-228h	CHANNELS_AVAILABLE	SHOW USAGE CONDITION OF EACH CHANNELPAGE

FIG. 4

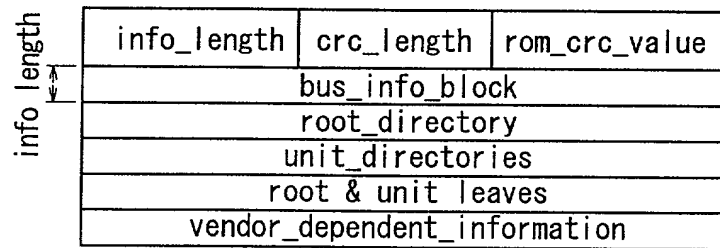


FIG. 5

400h	04h	crc_length	rom_crc_value
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bus_info_block

404h	"1394"		
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408h	rmc	cmc	isc	bmc	reserved	crc_clk_acc	max_rec	reserved
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40Ch	Company_ID						Chip_ID_hi
------	------------	--	--	--	--	--	------------

410h	Chip_ID_lo							
------	------------	--	--	--	--	--	--	--

Root_directory

414h	root_length				CRC			
------	-------------	--	--	--	-----	--	--	--

418h	03h	module_vender_id						
------	-----	------------------	--	--	--	--	--	--

41Ch	0ch	node_capabilities						
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420h	8Dh	node_unique_id offset						
------	-----	-----------------------	--	--	--	--	--	--

428h	D1h	unit_directory offset						
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•
•

Optional.								
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Unit_directory

unit_directory_length				CRC			
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12h	unit_spec_id							
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13h	unit_sw_version							
-----	-----------------	--	--	--	--	--	--	--

Optional.								
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FIG. 6

900h	Output Master Plug Register
904h	Output Plug Control Register #0
908h	Output Plug Control Register #1
⋮	⋮
97Ch	Output Plug Control Register #30
980h	Input Master Plug Register
984h	Input Plug Control Register #0
988h	Input Plug Control Register #1
⋮	⋮
9FCh	Input Plug Control Register #30

FIG. 7

oMPR

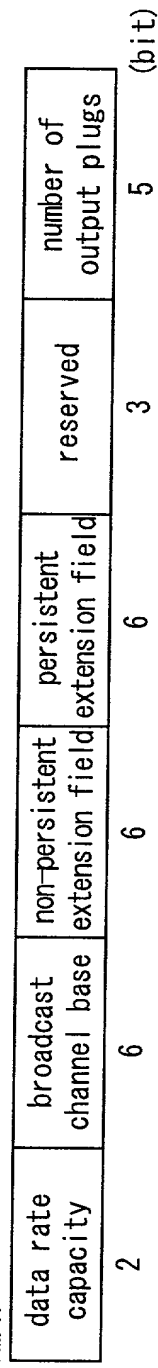


FIG. 8A

oPCR [n]

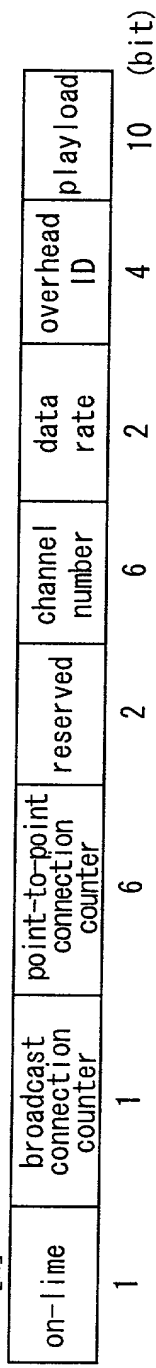


FIG. 8B

iMPR

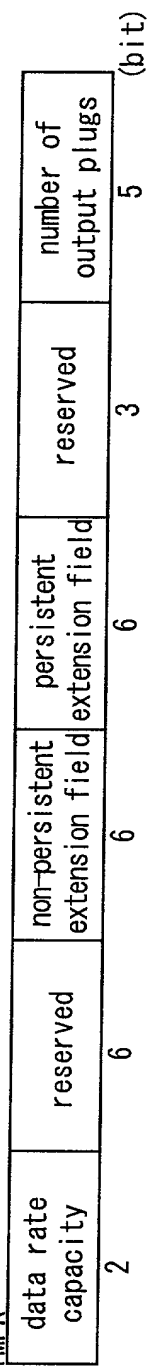


FIG. 8C

iPCR [n]

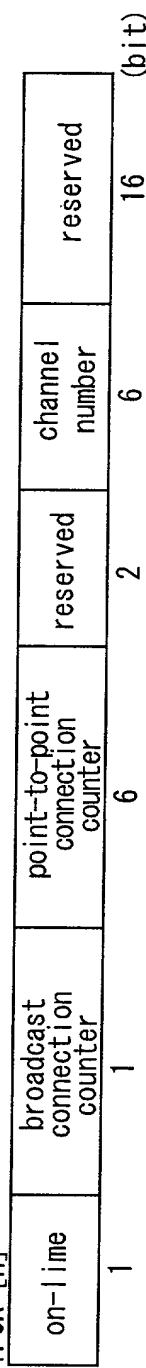


FIG. 8D

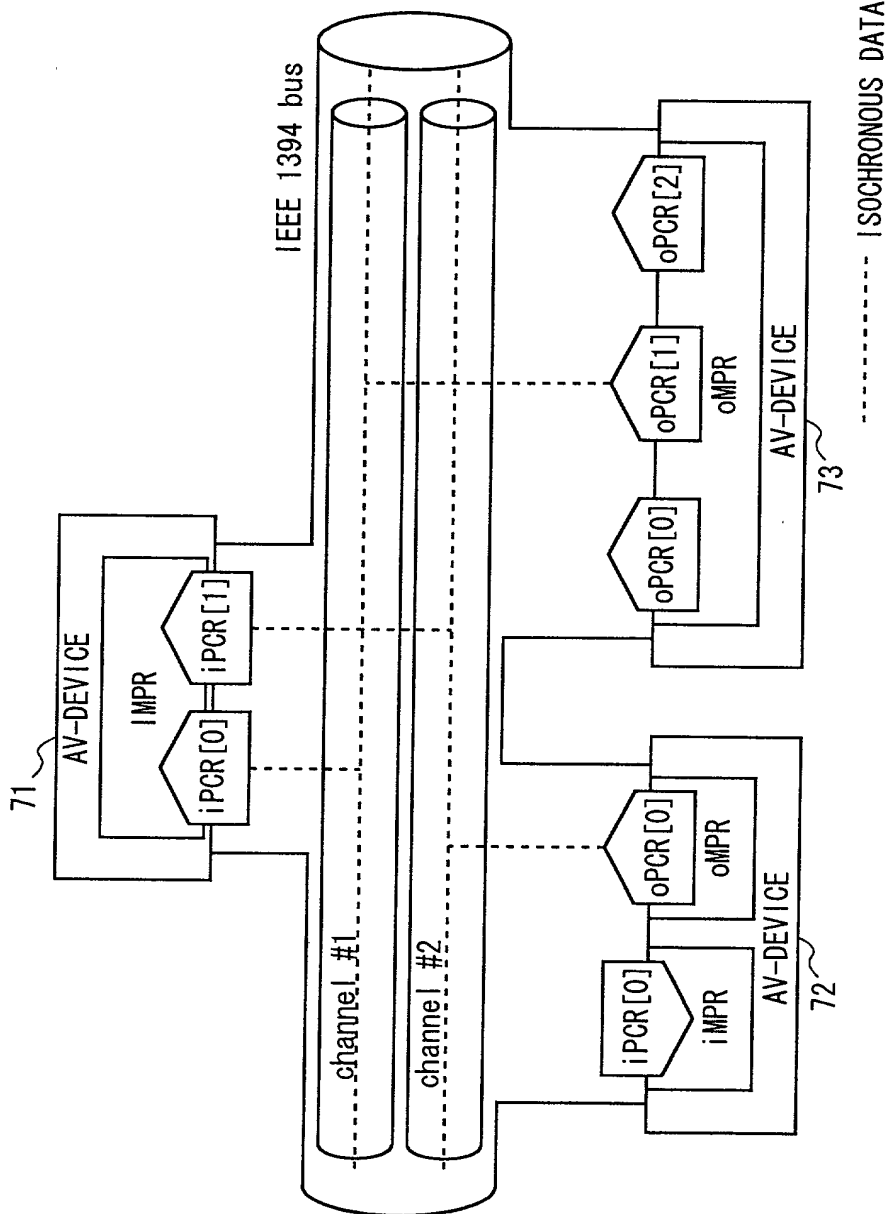
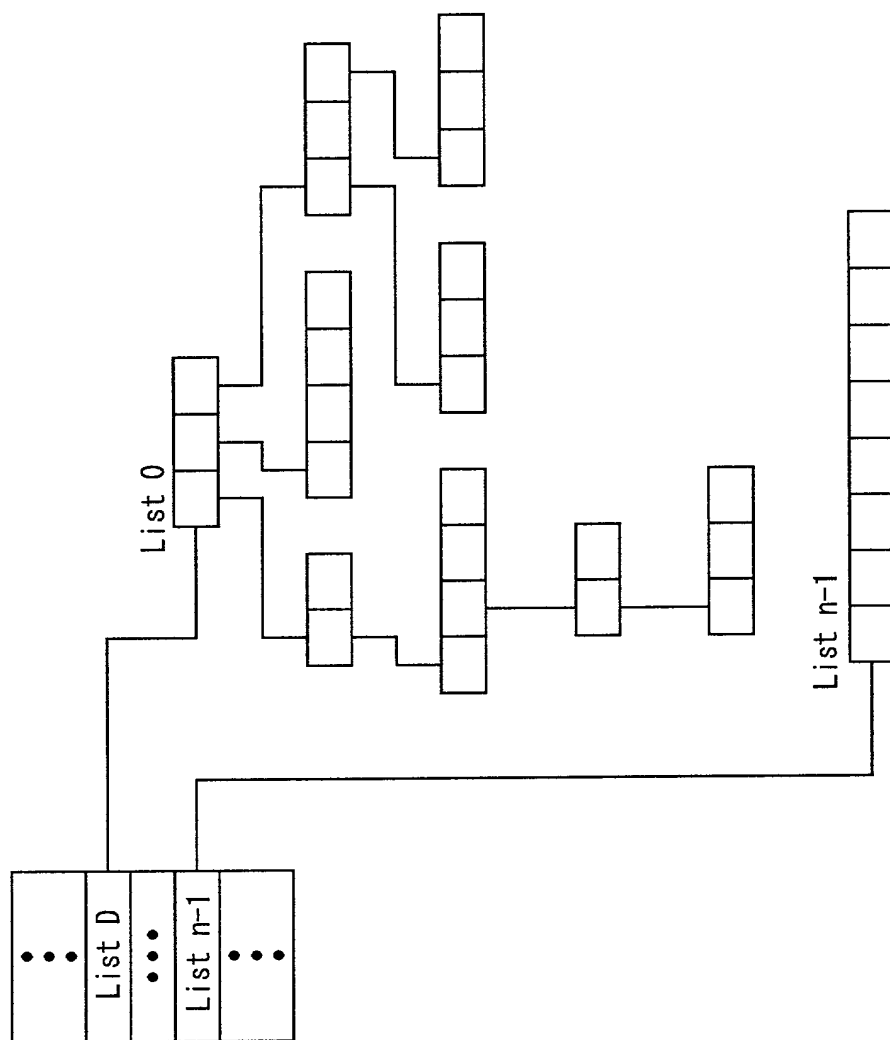


FIG. 9



The General Subunit Identifier Descriptor	
address	contents
00 00 ₁₆	descriptor_length
00 01 ₁₆	
00 02 ₁₆	generation_ID
00 03 ₁₆	size_of_list_ID
00 04 ₁₆	size_of_object_ID
00 05 ₁₆	size_of_object_position
00 06 ₁₆	number_of_root_object_lists(n)
00 07 ₁₆	
00 08 ₁₆	root_object_list_id_0
•	
•	•
•	
•	root_object_list_id_n-1
•	
•	subunit_dependent_length
•	
•	subunit_dependent_information
•	
•	manufacturer_dependent_length
•	
•	manufacturer_dependent_information
•	
•	

FIG. 11

generation_ID values	
generation_ID	meaning
00 ₁₆	Data structures and command sets as specified in the AV/C General Specification, version 3.0
all others	reserved for future specification

FIG. 12

List ID Value Assignment Ranges	
range of values	list definition
0000 ₁₆ -0FFF ₁₆	reserved
1000 ₁₆ -3FFF ₁₆	subunit-type dependent
4000 ₁₆ -FFFF ₁₆	reserved
1 0000 ₁₆ -max list ID value	subunit-type dependent

FIG. 13

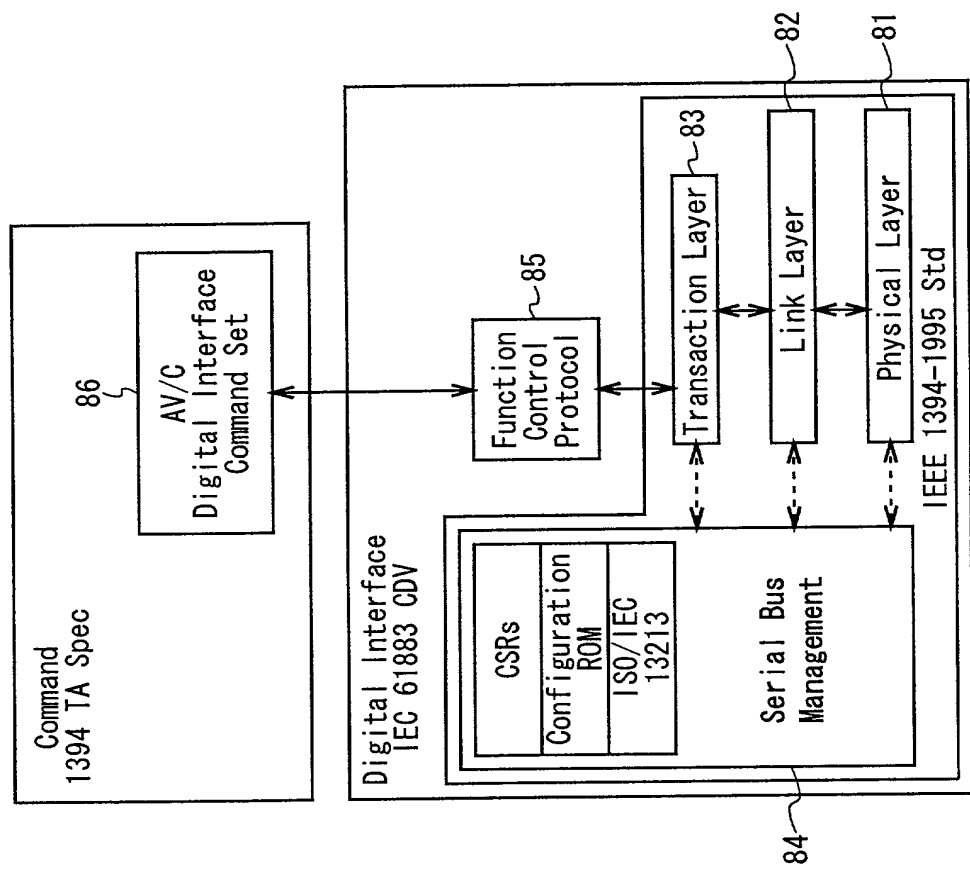


FIG. 14

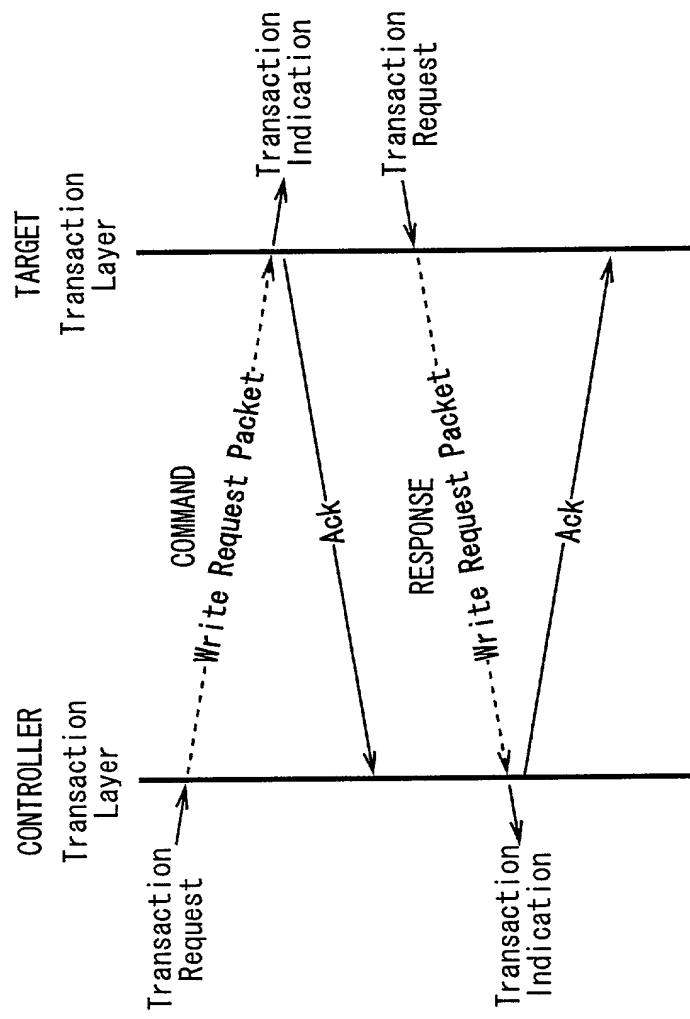


FIG.15

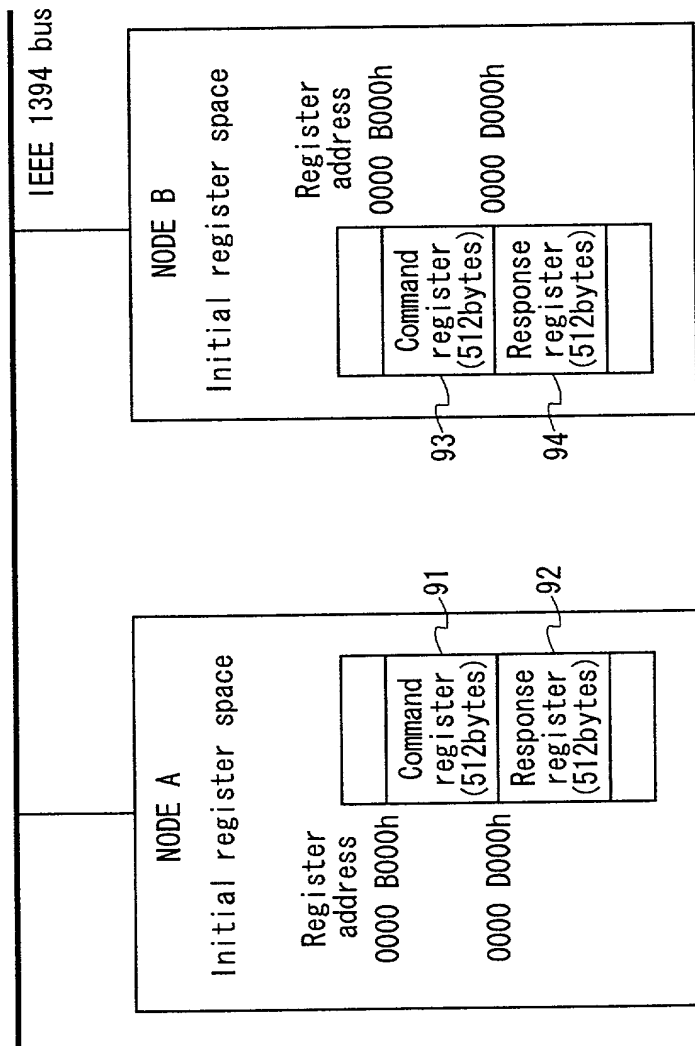


FIG. 16

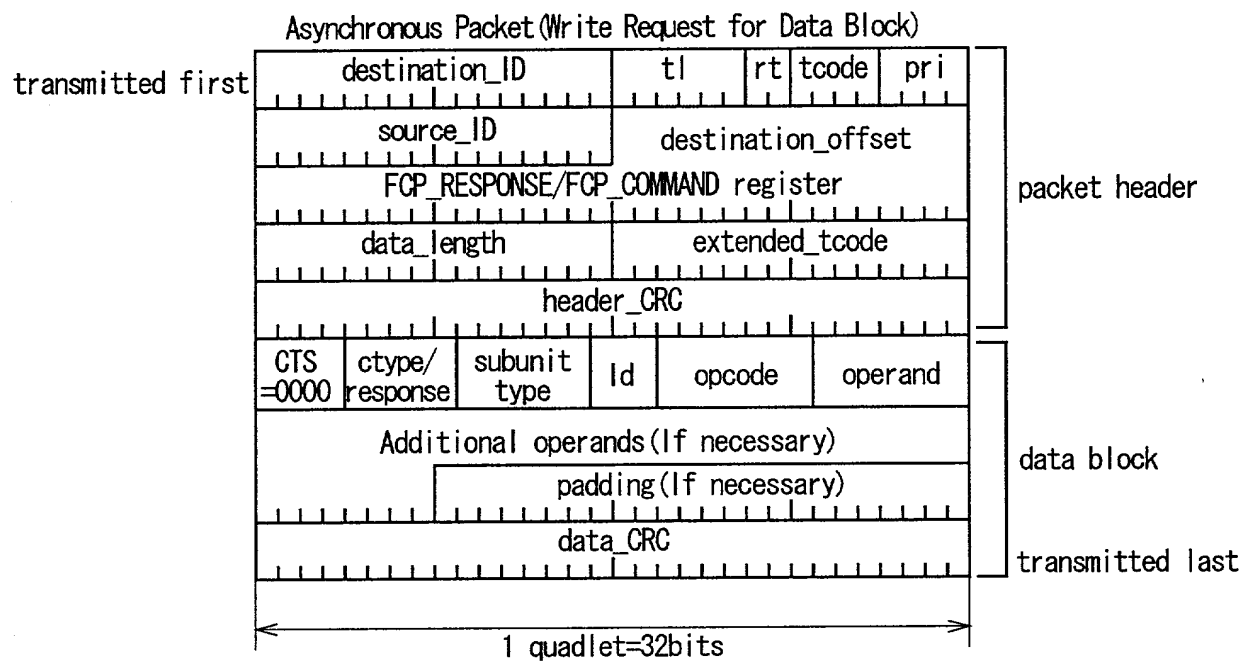


FIG. 17

ctype/response		subunit_type		opcode: Operation Code	
Command	0000 CONTROL	00010	Video monitor (reserved)	00h	VENDOR-DEPENDENT
	0001 STATUS	?	Disc recorder/Player	50h	SEARCH MODE
	0010 SPECIFIC INQUIRY	00011		51h	TIMECODE
	0011 NOTIFY		Tape recorder/Player	52h	ATN
	0100 GENERAL INQUIRY	00100		60h	OPEN MIC
	0101		Tuner	61h	READ MIC
	?	00101	Video Camara (reserved)	62h	WRITE MIC
	(reserved for future specification)	00111	Vendor unique reserved	C1h	LOAD MEDIUM
		11100	Subunit type extended to next byte	C2h	RECORD
		11101		C3h	PLAY
Response	1000 NOT IMPLEMENTED	11110		C4h	WIND
	1001 ACCEPTED			?	?
	1010 REJECTED				
	1011 IN TRANSITION				
	1100 IMPLEMENTED/STABLE				
	1101 CHANGED				
	1110 (reserved for future specification)	11111	Unit		
	1111 INTERIM				

FIG. 18A

FIG. 18B

FIG. 18C

AV/C control		tape recorder /player		id= ID0	PLAY	FORWARD
CTS= 0000	ctypes= 0000	subunit type= 00100	id= 000	opcode= C3h	operand= 75h	

FIG. 19A

AV/C accepted		tape recorder /player		id= ID0	PLAY	FORWARD
CTS= 0000	response =1001	subunit type= 00100	id= 000	opcode= C3h	operand= 75h	

FIG. 19B

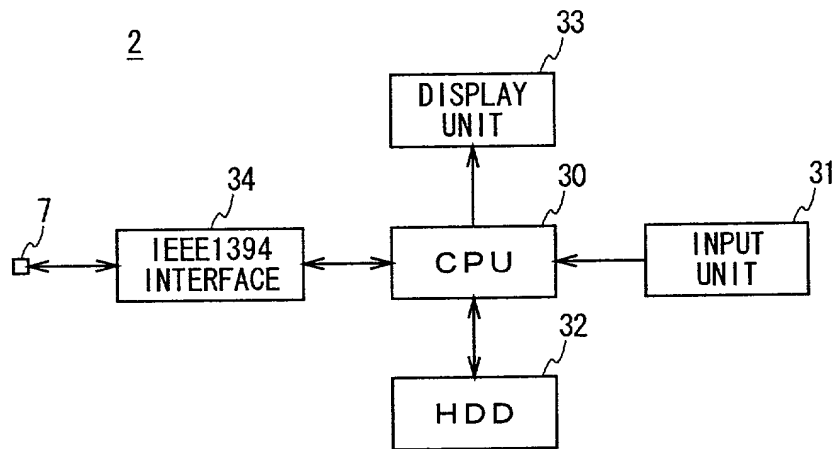


FIG. 20

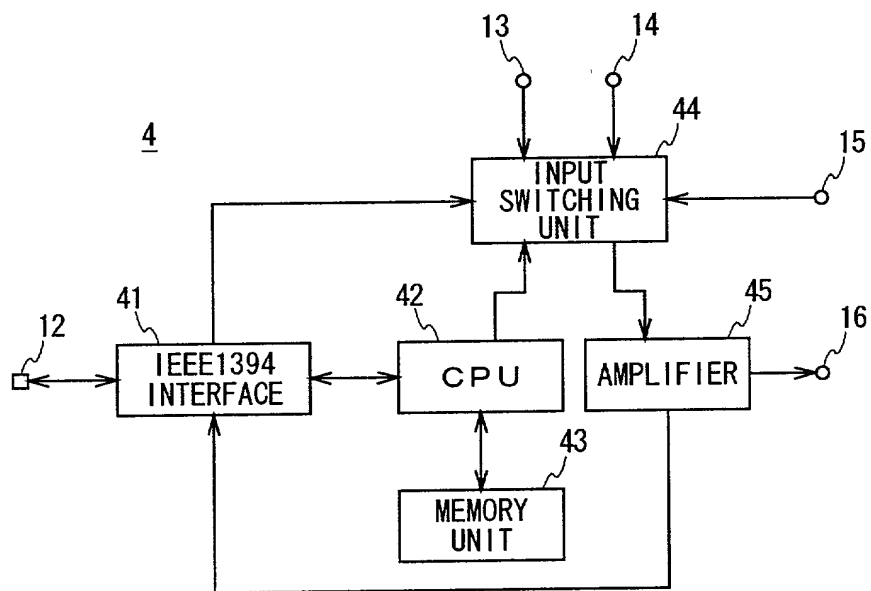


FIG. 21

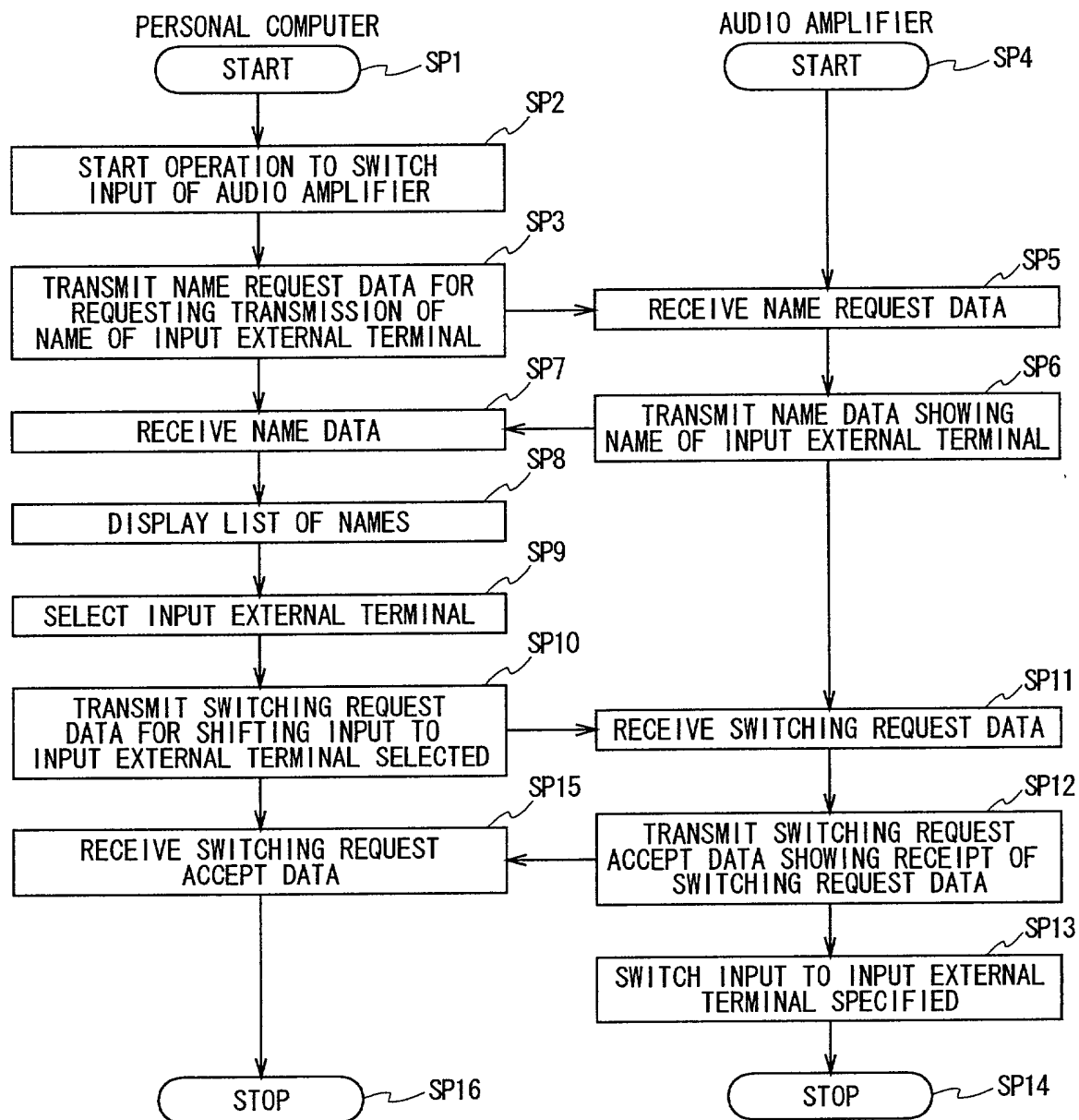


FIG. 22

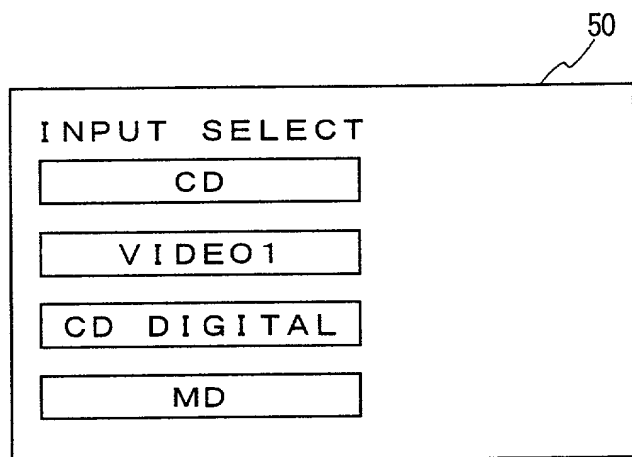


FIG. 23

